CNC4PC

Integration Solutions for CNC Projects

USER'S MANUAL

C58 Parallel Power Supplies Rev. 1

March 2013

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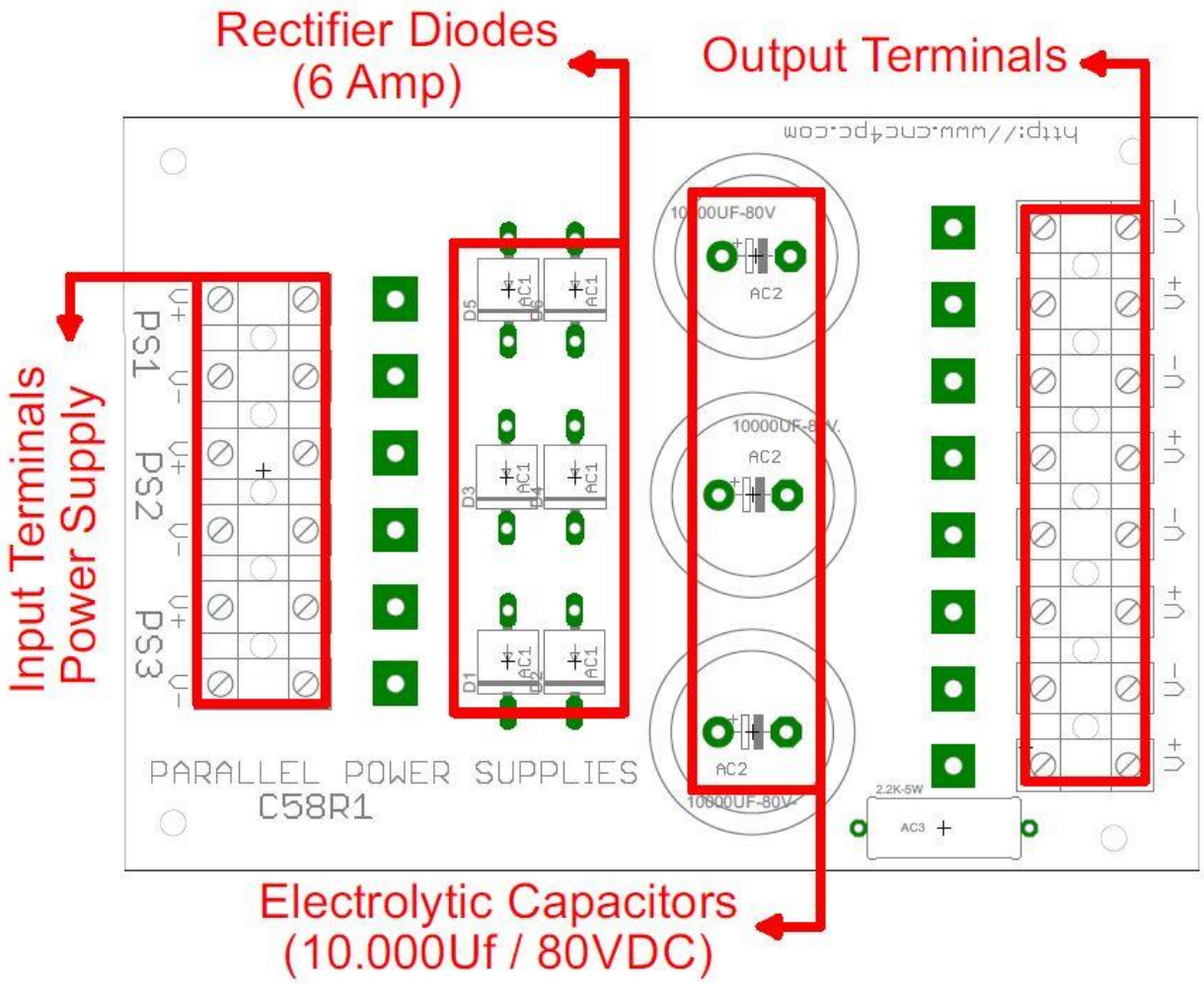
1.0 OVERVIEW

This board allows connecting up to three switching power supplies in parallel to increase power output while maintaining the same voltage.

2.0 FEATURES

- Lets you add the powers of external sources
- Has three electrolytic capacitors for maximum power.
- Has three pairs of diodes, for avoid shorts in the external sources.
- Screw-On connections for input and output terminals.

3.0 BOARD DESCRIPTION

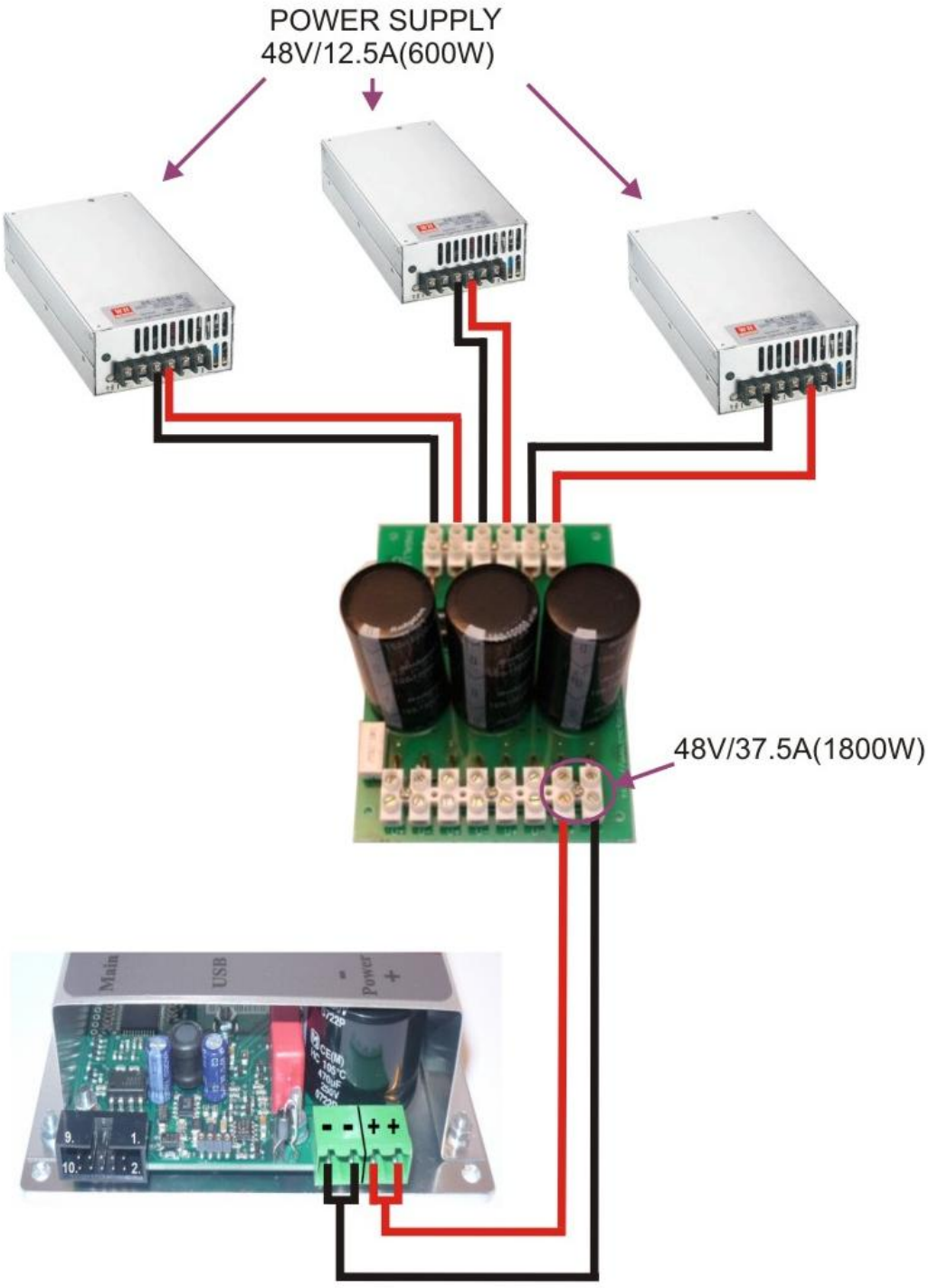


4.0 SPECIFICATIONS

4.1 Power Requirements

- Power sources Connect and checking the polarity.
- Check the power sources equal voltages.
- The input voltages not exceed the of capacitors

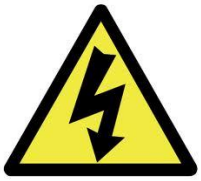
5.0 WIRING SAMPLE



Note: This wiring is just to illustrate a sample product application. Specific wiring may vary from system to system. It is the user's responsibility to implement it correctly.

6.0 WARNING

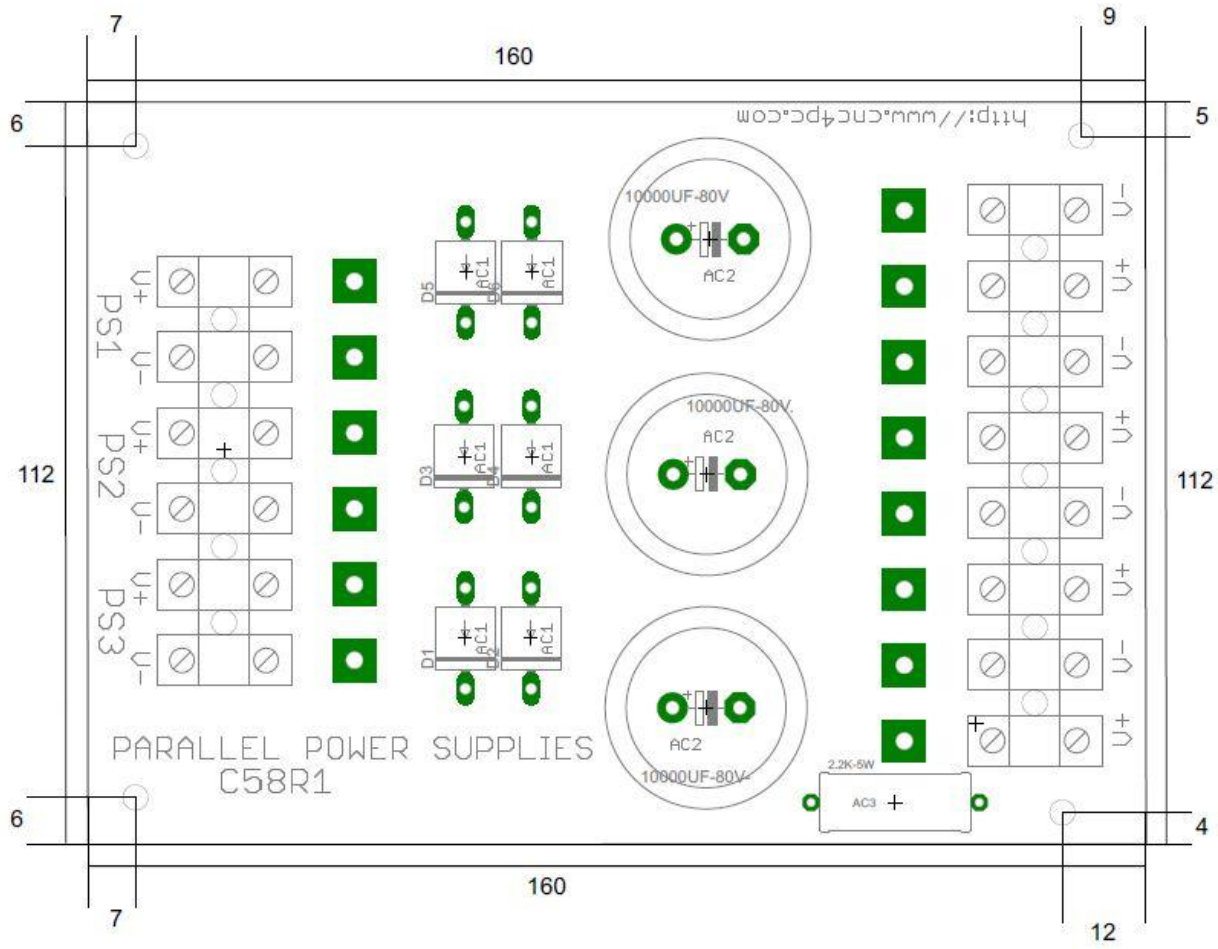
Check the polarity and voltages of these externals power source and connect the (V+ and GND). Overvoltage or reverse-polarity power applied to these terminals can cause damage to the board, and/or the power source.



Disconnect power cables while connecting the sources

Electrical shock or serious physical injury could result due to misuse.

7.0 DIMENSIONS



All dimensions are in Millimeters.

DISCLAIMER

Use caution. CNC machines could be dangerous machines. DUNCAN USA, LLC or Arturo Duncan are not liable for any accidents resulting from the improper use of these devices. This product is not fail-safe device, and it should not be used in life support systems or in other devices where its failure or possible erratic operation could cause property damage, bodily injury or loss of life.